

Title (en)

ELECTROMAGNETIC WAVE ABSORBER AND METHOD FOR PRODUCING ELECTROMAGNETIC WAVE ABSORBER

Title (de)

ABSORBER FÜR ELEKTROMAGNETISCHE WELLEN UND VERFAHREN ZUR HERSTELLUNG EINES ABSORBERS FÜR ELEKTROMAGNETISCHE WELLEN

Title (fr)

ABSORBEUR D'ONDES ÉLECTROMAGNÉTIQUES ET PROCÉDÉ DE FABRICATION D'ABSORBEUR D'ONDES ÉLECTROMAGNÉTIQUES

Publication

EP 3606309 A4 20200408 (EN)

Application

EP 18776666 A 20180322

Priority

- JP 2017068887 A 20170330
- JP 2018011525 W 20180322

Abstract (en)

[origin: EP3606309A1] Provided is a radio wave absorber including: a support; a first radio wave absorption layer having a flat plate shape that is disposed on a surface of the support and includes a radio wave absorption material and a binder; and second radio wave absorption layers that are erected on a surface of the first radio wave absorption layer, include a radio wave absorption material and a binder, and are conical protrusions having bottom surfaces of which outer peripheral portions are in contact with each other, in which a distance between apexes of the conical protrusions adjacent to each other is 0.5 mm to $\lambda<\sup>a</sup>\text{mm}$, in a case where a wavelength of a radio wave to be absorbed is set as $\lambda<\sup>a</sup>\text{mm}$, and a manufacturing method of a radio wave absorber.

IPC 8 full level

H05K 9/00 (2006.01); **H01Q 17/00** (2006.01)

CPC (source: EP US)

B65D 83/28 (2013.01 - US); **H01Q 17/007** (2013.01 - US); **H01Q 17/008** (2013.01 - EP US); **H05K 9/0083** (2013.01 - EP); **H05K 9/0088** (2013.01 - EP); **B01J 2219/1946** (2013.01 - US); **G02B 1/118** (2013.01 - US); **H01Q 17/001** (2013.01 - US)

Citation (search report)

- [XA] EP 1137103 A2 20010926 - MITSUBISHI CABLE IND LTD [JP], et al
- [A] GB 609060 A 19480924 - ATHUR HAROLD STEVENS
- [A] US 4023174 A 19770510 - WRIGHT RUFUS W
- See references of WO 2018180928A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3606309 A1 20200205; **EP 3606309 A4 20200408**; **EP 3606309 B1 20230906**; JP 6790238 B2 20201125; JP WO2018180928 A1 20190711; US 10777904 B2 20200915; US 2020021036 A1 20200116; WO 2018180928 A1 20181004

DOCDB simple family (application)

EP 18776666 A 20180322; JP 2018011525 W 20180322; JP 2019509683 A 20180322; US 201916580103 A 20190924